

## **DETAILED ACTION**

### ***Information Disclosure Statement***

1. The information disclosure statement (IDS) submitted on 2/8/2002 was original filed and Publication date was missing on the IDS. After discussion with applicant's representative, Cory Davis, the missing publication date is confirmed to be June 1, 1992. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

### ***Examiner Amendments***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

3. Authorization for this examiner's amendment was given in a telephone interview with Applicant's representative Cory Davis on 4/17/2008.

4. The application has been amended as follows:

In the claims:

- Claim 11, lines 1 and 2, change "A computer program stored in a computer readable medium executable by a computer" to --- A computer readable medium encoded with a computer program executable by a computer ---.
- Claim 14, line 1, change "A program to be executable by " to --- A computer readable medium encoded with a computer program executable by a computer which, when run on ---.

***Allowable Subject Matter***

5. Claims 1-5, 8-12 and 14-16 are allowed.
6. The following is an examiner's statement of reasons for allowance.
7. The prior art fails to teach an apparatus of Claims 1, 12, 14 and 15 that specifically comprises the following:

-- The instant application is deemed to be directed to a non-obvious improvement over the admitted prior art of the instant application and the invention patented in Pat. No. US 5,579,347, US 6,275,087, US 5,835,538. The improvement comprises that applying an inverse filter characteristic to a received modulated signal over a predetermined number of samples to compensate for the effect of the effective filter characteristic; and determining the modulation extremes of the filtered signal by determining minimum and maximum signal amplitudes over the predetermined number of samples." as recited in combination with other limitation as claimed in claims 1, 12, 14 and 15, respectively.
8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M. Wang whose telephone number is (571) 272-3053. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free).

/Ted M Wang/  
Primary Examiner, Art Unit 2611